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(21) International Application Number: PCT/US91/07894 (22) International Filing Date: 24 October 1991 (24.10.91) (30) Priority data: 613,213 14 November 1990 (14.11.90) US (71) Applicant: UAB RESEARCH FOUNDATION [US/US]; University Station, Birmingham, AL 35294 (US). (72) Inventors: BECKMAN, Joseph, S. ; 1649 12th Street South, Birmingham, AL 35206 (US). SMITH, Craig, D. ; 4964 Whiteoak Road, Birmingham, AL 35210 (US). ISCHI- ROPOULOS, Haralambos ; 1251-J Beacon Parkway E., Birmingham, AL 35209 (US).		(74) Agent: NEEDLE, William, H.; Needle & Rosenberg, 133 Carnegie Way, N.W., Suite 400, Atlanta, GA 30303 (US). (81) Designated States: AT (European patent), BE (European patent), CA, CH (European patent), DE (European pa- tent), DK (European patent), ES (European patent), FR (European patent), GB (European patent), GR (Euro- pean patent), IT (European patent), JP, LU (European patent), NL (European patent), SE (European patent). Published <i>With international search report.</i>
(54) Title: COMPOSITIONS FOR REDUCING OXIDATIVE INJURY (57) Abstract Compositions for reducing oxidative injury to an animal that includes a modified superoxide dismutase, wherein the modi- fication comprises substituting a first amino acid residue located within 3-12 Å of the active site of the superoxide dismutase with a second amino acid residue capable of reacting with a highly reactive nitrating species, such as nitronium ion, formed from the reaction of peroxynitrite and superoxide dismutase.		